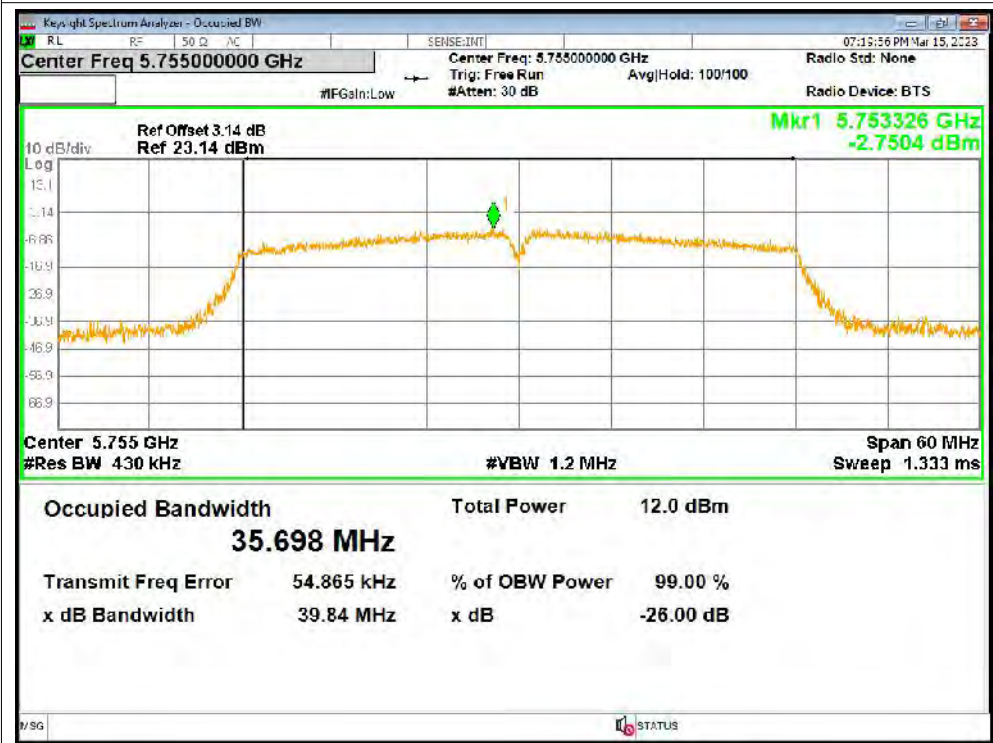
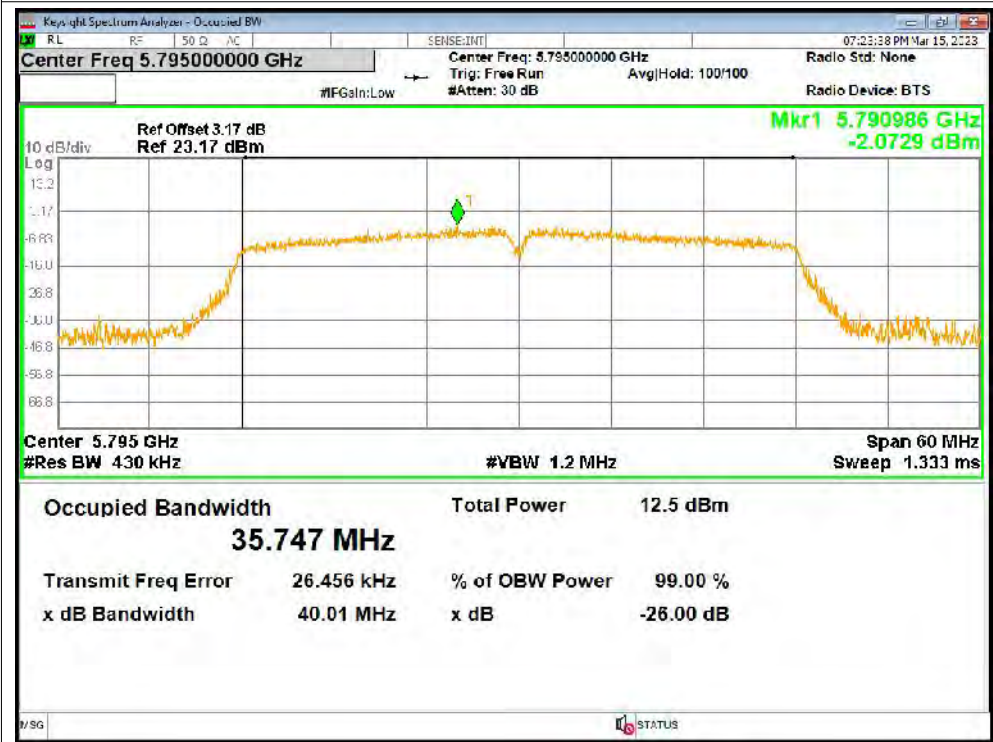


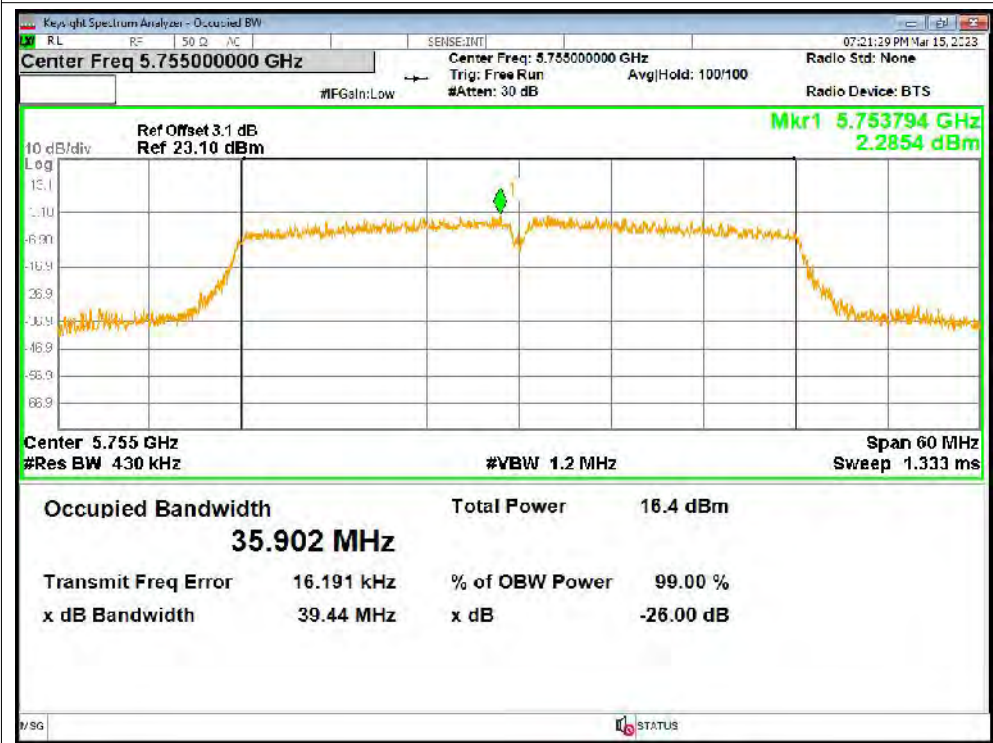
OBW NVNT ac40 5755MHz Ant1



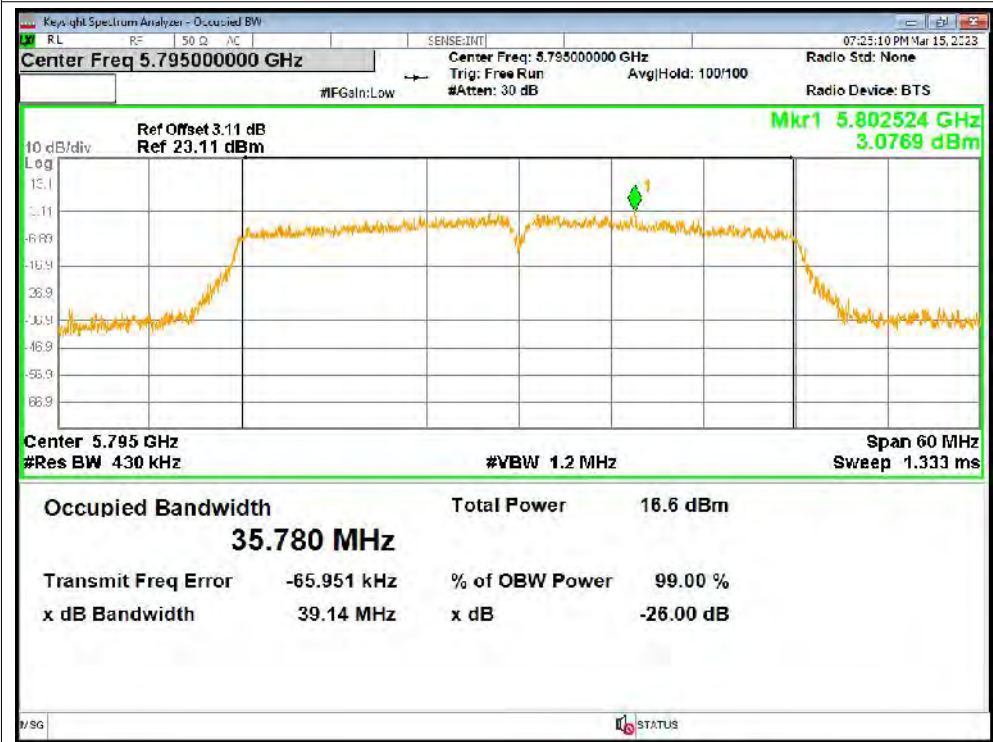
OBW NVNT ac40 5795MHz Ant1



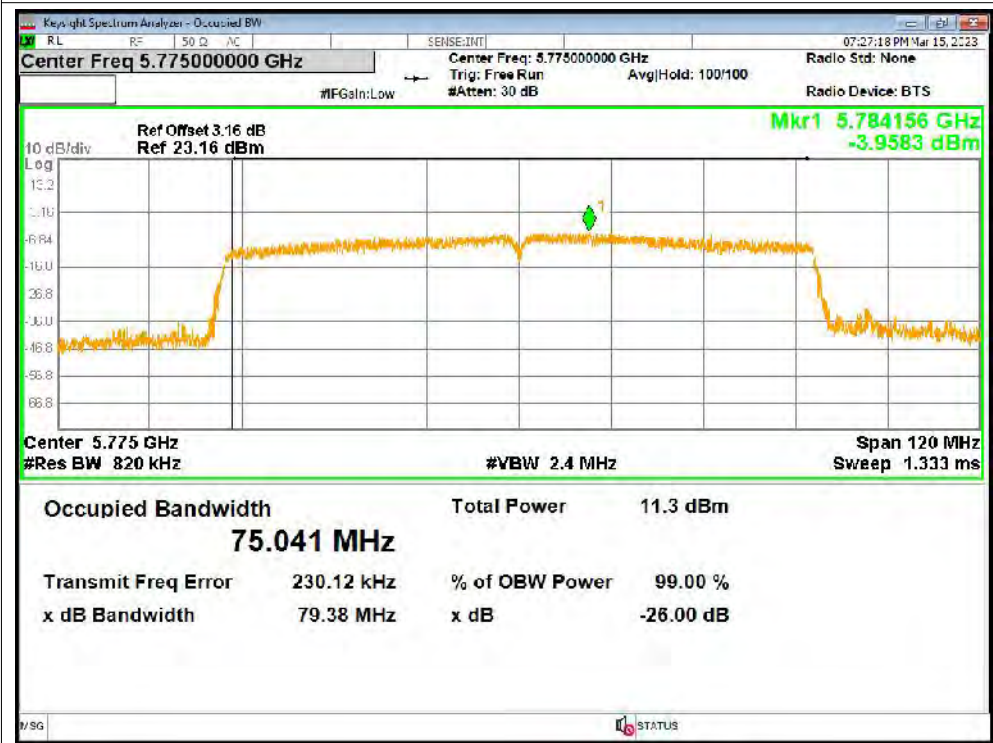
OBW NVNT ac40 5755MHz Ant2



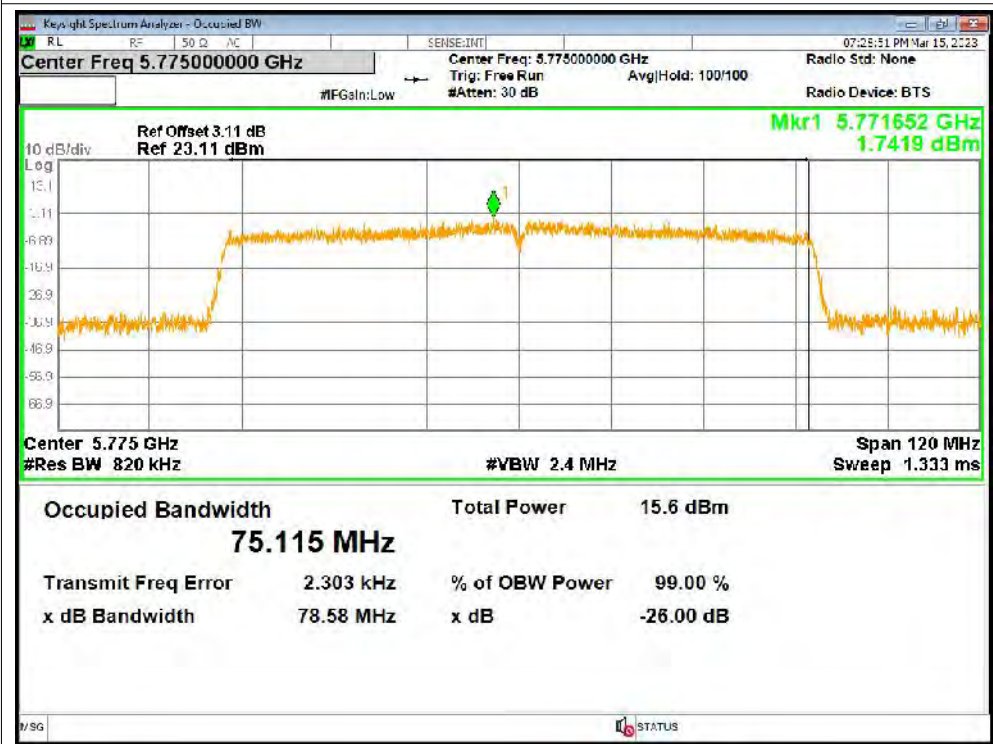
OBW NVNT ac40 5795MHz Ant2



OBW NVNT ac80 5775MHz Ant1



OBW NVNT ac80 5775MHz Ant2



A.5 Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-13.25	1.1	-12.15	30	Pass
NVNT	a	5785	Ant1	-14.04	1.1	-12.94	30	Pass
NVNT	a	5825	Ant1	-17.92	1.11	-16.81	30	Pass
NVNT	a	5745	Ant2	-10.58	1.1	-9.48	30	Pass
NVNT	a	5785	Ant2	-9.83	1.1	-8.73	30	Pass
NVNT	a	5825	Ant2	-13.4	1.1	-12.3	30	Pass
NVNT	n20	5745	Ant1	-12.92	1.11	-11.81	30	Pass
NVNT	n20	5785	Ant1	-15.76	1.11	-14.65	30	Pass
NVNT	n20	5825	Ant1	-14.33	1.1	-13.23	30	Pass
NVNT	n20	5745	Ant2	-13.51	1.1	-12.41	30	Pass
NVNT	n20	5785	Ant2	-14.87	1.1	-13.77	30	Pass
NVNT	n20	5825	Ant2	-14.83	1.13	-13.7	30	Pass
NVNT	n40	5755	Ant1	-27.07	26.02	-1.05	30	Pass
NVNT	n40	5795	Ant1	-26.56	0	-26.56	30	Pass
NVNT	n40	5755	Ant2	-24.58	25.69	1.11	30	Pass
NVNT	n40	5795	Ant2	-24.84	25.69	0.850	30	Pass
NVNT	ac20	5745	Ant1	-25.7	1.95	-23.75	30	Pass
NVNT	ac20	5785	Ant1	-22.85	1.95	-20.9	30	Pass
NVNT	ac20	5825	Ant1	-21.73	1.98	-19.75	30	Pass
NVNT	ac20	5745	Ant2	-20.48	1.98	-18.5	30	Pass
NVNT	ac20	5785	Ant2	-20.92	1.95	-18.97	30	Pass
NVNT	ac20	5825	Ant2	-20.17	1.95	-18.22	30	Pass
NVNT	ac40	5755	Ant1	-33.09	9.03	-24.06	30	Pass
NVNT	ac40	5795	Ant1	-31.74	9.03	-22.71	30	Pass
NVNT	ac40	5755	Ant2	-28.07	9.03	-19.04	30	Pass
NVNT	ac40	5795	Ant2	-32.7	0	-32.7	30	Pass
NVNT	ac80	5775	Ant1	-43.81	0.24	-43.57	30	Pass
NVNT	ac80	5775	Ant2	-39.67	0	-39.67	30	Pass

Test mode	Frequency (MHz)	Power Spectral Density (dBm/MHz) ANT1	Power Spectral Density (mW) ANT1	Power Spectral Density (dBm/MHz) ANT2	Power Spectral Density (mW) ANT2	PSD MIMO (dBm/M Hz)	Limit (dBm)	Result
n20	5745	-11.81	0.0659	-12.41	0.0574	-24.22	29.73	Pass
	5785	-14.65	0.0343	-13.77	0.0420	-28.42	29.73	Pass
	5825	-13.23	0.0475	-13.7	0.0427	-26.93	29.73	Pass
n40	5755	-1.05	0.7852	1.11	1.2912	0.06	29.73	Pass
	5795	-26.56	0.0022	0.850	1.2162	-25.71	29.73	Pass
ac20	5745	-23.75	0.0042	-18.5	0.0141	-42.25	29.73	Pass
	5785	-20.9	0.0081	-18.97	0.0127	-39.87	29.73	Pass
	5825	-19.75	0.0106	-18.22	0.0151	-37.97	29.73	Pass
ac40	5755	-24.06	0.0039	-19.04	0.0125	-43.1	29.73	Pass
	5795	-22.71	0.0054	-32.7	0.0005	-55.41	29.73	Pass
ac80	5775	-43.57	0.0000	-39.67	0.0001	-83.24	29.73	Pass
Note:PSD MIMO=Power Spectral Density(mW) ANT1+Power Spectral Density(mW) ANT2 Directional Gain=GANT+10*log(NANT)dB=3.26+10*log(2)dB=6.27dB. Limit=30-(6.27-6)=29.73dBm								

Test Graphs

PSD NVNT a 5745MHz Ant1



PSD NVNT a 5785MHz Ant1



PSD NVNT a 5825MHz Ant1



PSD NVNT a 5745MHz Ant2



PSD NVNT a 5785MHz Ant2



PSD NVNT a 5825MHz Ant2



PSD NVNT n20 5745MHz Ant1



PSD NVNT n20 5785MHz Ant1



PSD NVNT n20 5825MHz Ant1



PSD NVNT n20 5745MHz Ant2



PSD NVNT n20 5785MHz Ant2



PSD NVNT n20 5825MHz Ant2



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1



PSD NVNT n40 5755MHz Ant2



PSD NVNT n40 5795MHz Ant2



PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1



PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac20 5745MHz Ant2



PSD NVNT ac20 5785MHz Ant2



PSD NVNT ac20 5825MHz Ant2



PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac40 5755MHz Ant2



PSD NVNT ac40 5795MHz Ant2



PSD NVNT ac80 5775MHz Ant1



PSD NVNT ac80 5775MHz Ant2

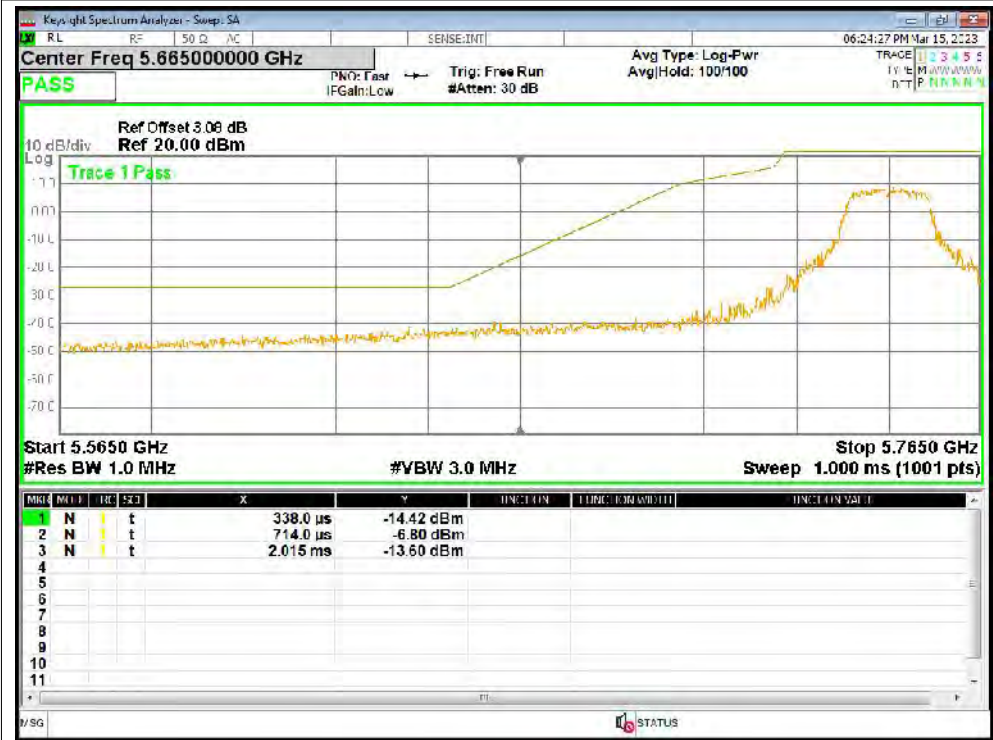


A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Verdict
NVNT	a	5745	Ant1	-22.75	Pass
NVNT	a	5825	Ant1	-39.86	Pass
NVNT	a	5745	Ant2	-27.24	Pass
NVNT	a	5825	Ant2	-30.34	Pass
NVNT	n20	5745	Ant1	-23.74	Pass
NVNT	n20	5825	Ant1	-38.51	Pass
NVNT	n20	5745	Ant2	-26.12	Pass
NVNT	n20	5825	Ant2	-31.29	Pass
NVNT	n40	5755	Ant1	-31.26	Pass
NVNT	n40	5795	Ant1	-41.44	Pass
NVNT	n40	5755	Ant2	-23.5	Pass
NVNT	n40	5795	Ant2	-36.4	Pass
NVNT	ac20	5745	Ant1	-29.09	Pass
NVNT	ac20	5825	Ant1	-38.13	Pass
NVNT	ac20	5745	Ant2	-27.84	Pass
NVNT	ac20	5825	Ant2	-32	Pass
NVNT	ac40	5755	Ant1	-32.2	Pass
NVNT	ac40	5795	Ant1	-43.16	Pass
NVNT	ac40	5755	Ant2	-27.41	Pass
NVNT	ac40	5795	Ant2	-37.6	Pass

Test Graphs

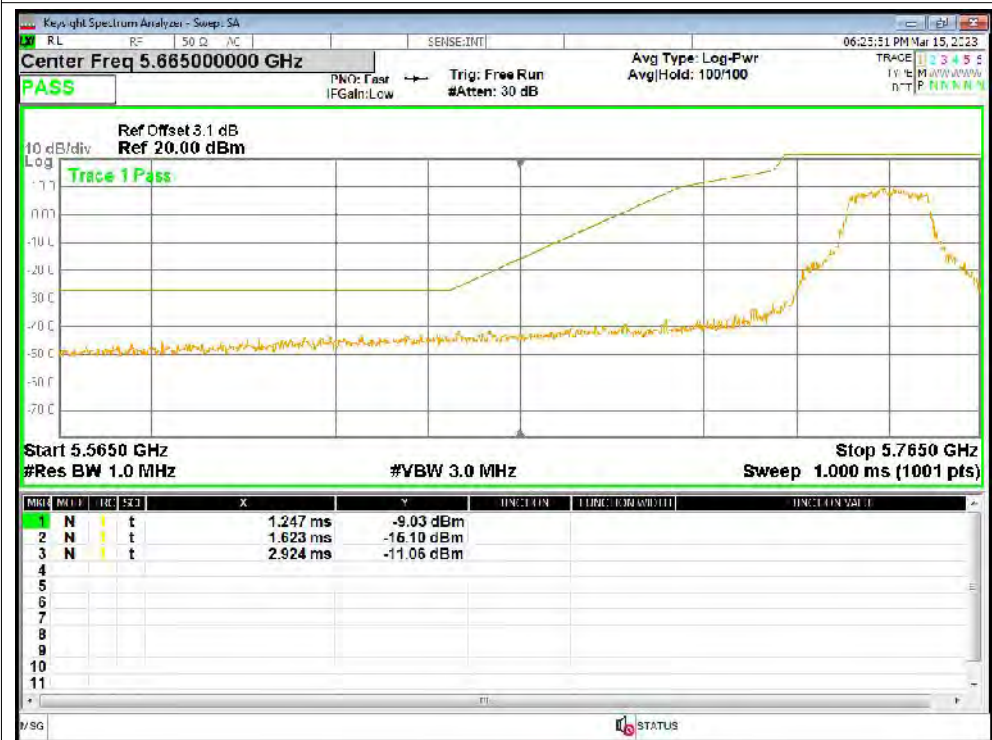
Band Edge NVNT a 5745MHz Low Ant1



Band Edge NVNT a 5825MHz High Ant1



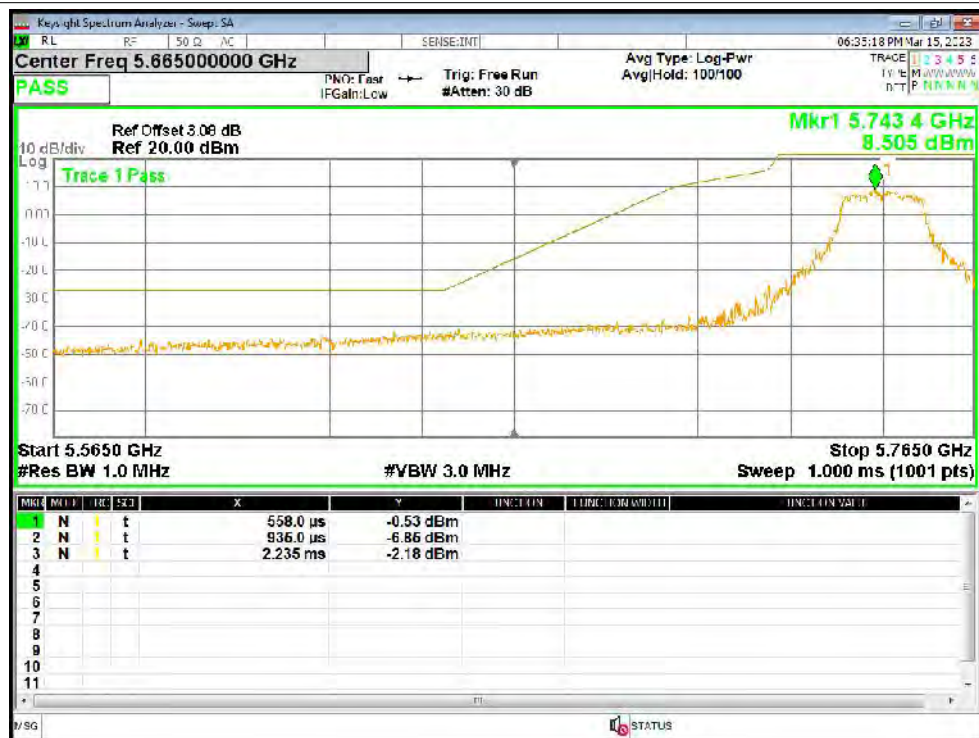
Band Edge NVNT a 5745MHz Low Ant2



Band Edge NVNT a 5825MHz High Ant2



Band Edge NVNT n20 5745MHz Low Ant1



Band Edge NVNT n20 5825MHz High Ant1



Band Edge NVNT n20 5745MHz Low Ant2



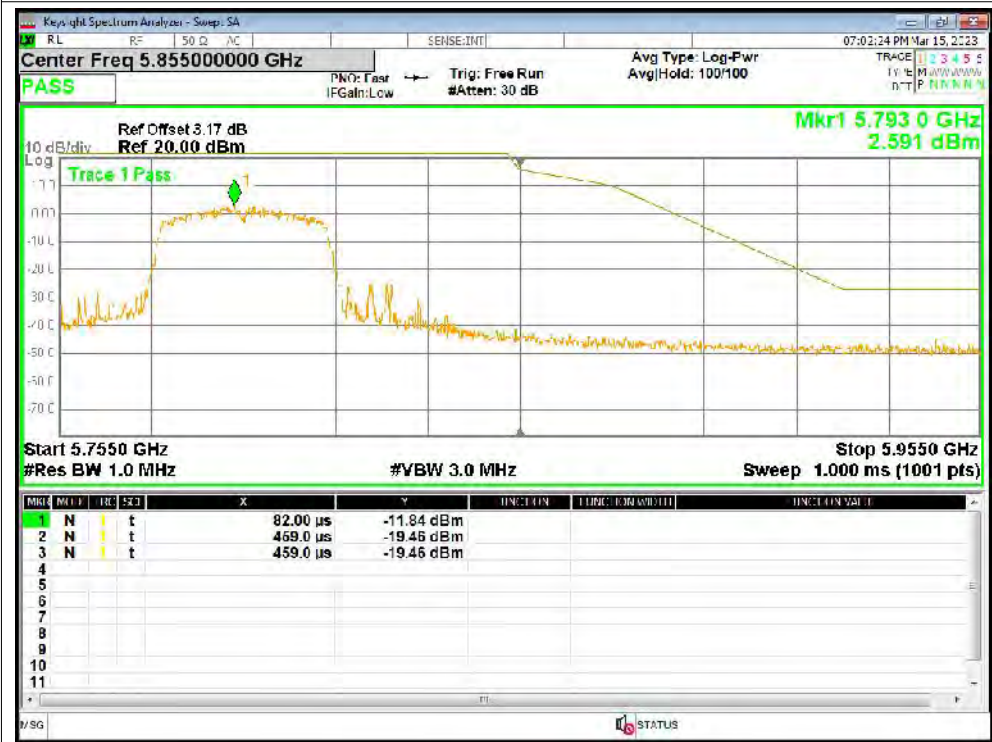
Band Edge NVNT n20 5825MHz High Ant2



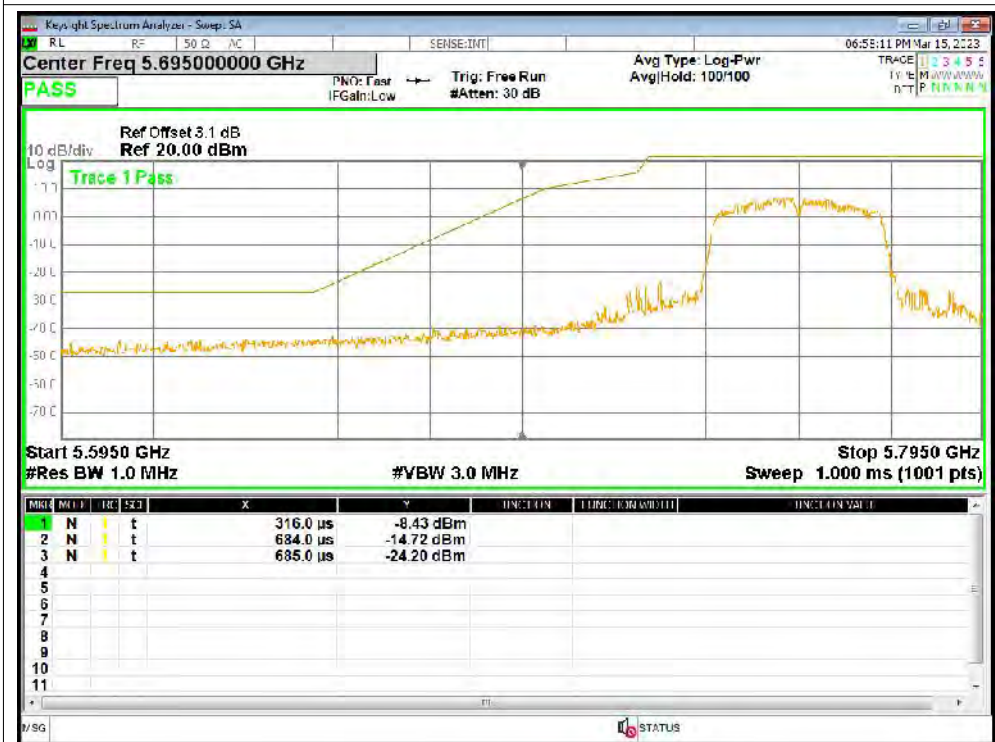
Band Edge NVNT n40 5755MHz Low Ant1



Band Edge NVNT n40 5795MHz High Ant1



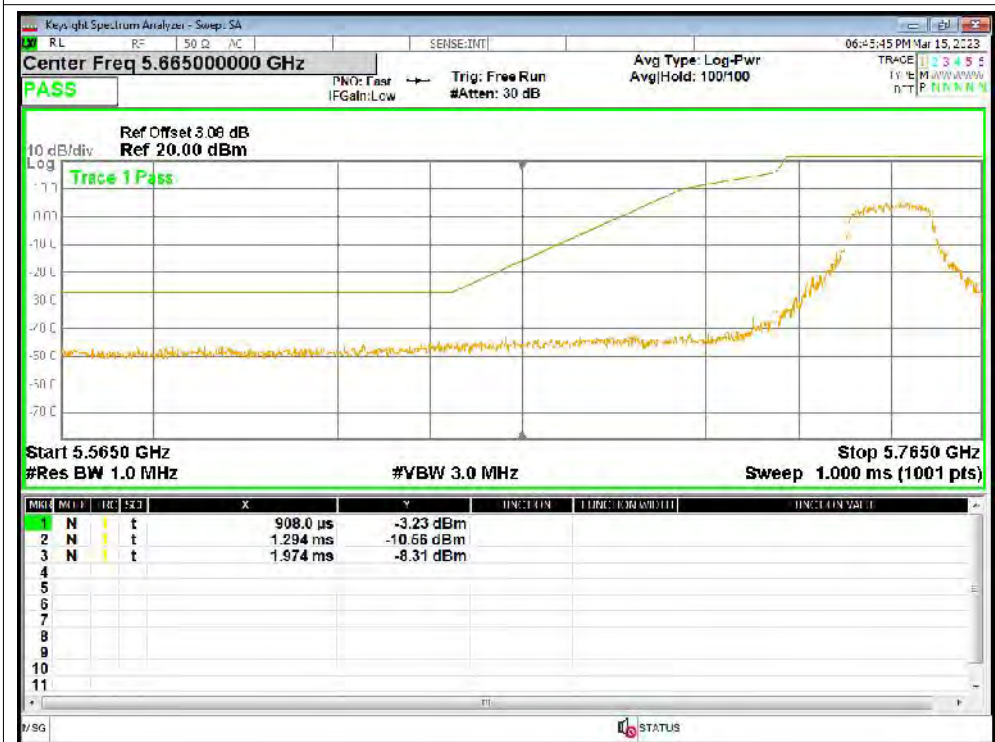
Band Edge NVNT n40 5755MHz Low Ant2



Band Edge NVNT n40 5795MHz High Ant2



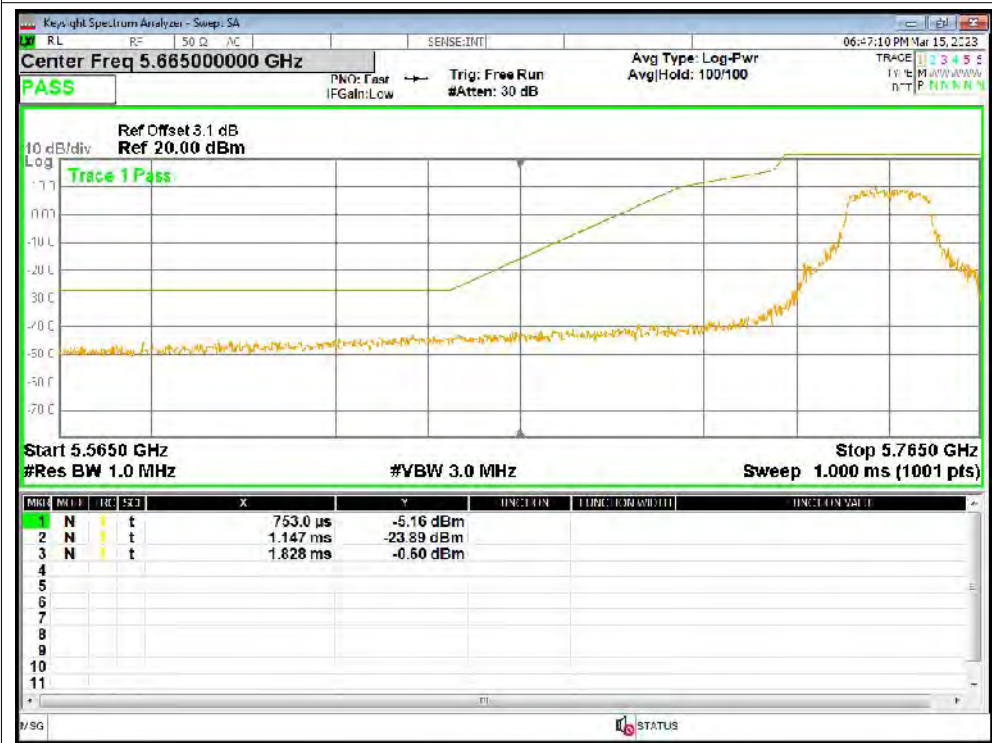
Band Edge NVNT ac20 5745MHz Low Ant1



Band Edge NVNT ac20 5825MHz High Ant1



Band Edge NVNT ac20 5745MHz Low Ant2



Band Edge NVNT ac20 5825MHz High Ant2



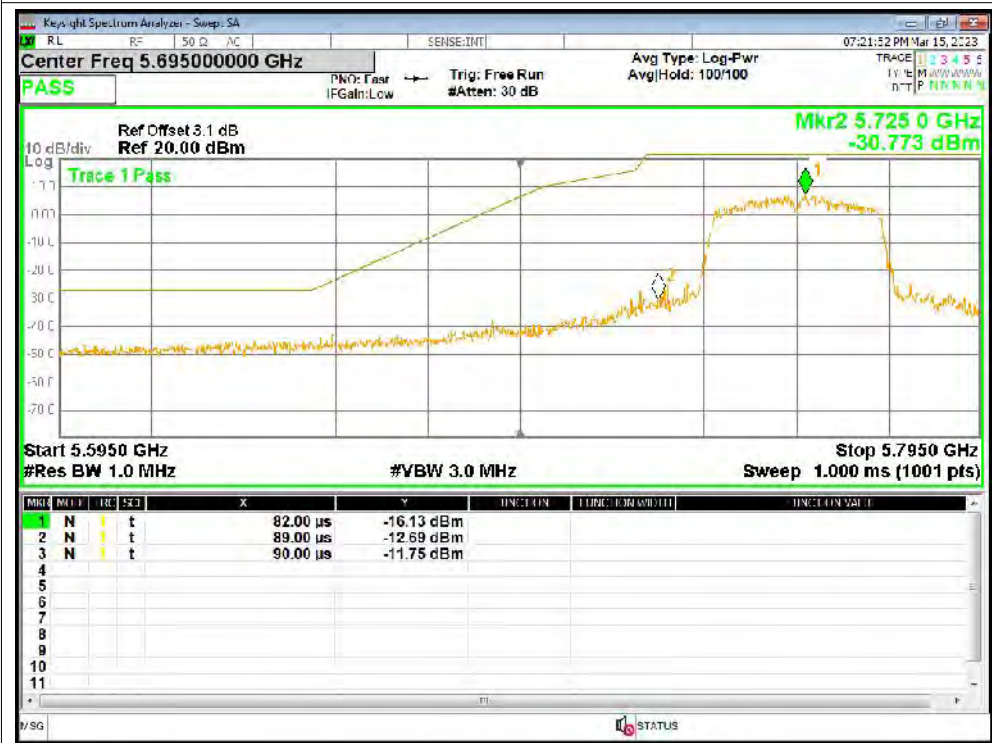
Band Edge NVNT ac40 5755MHz Low Ant1



Band Edge NVNT ac40 5795MHz High Ant1



Band Edge NVNT ac40 5755MHz Low Ant2

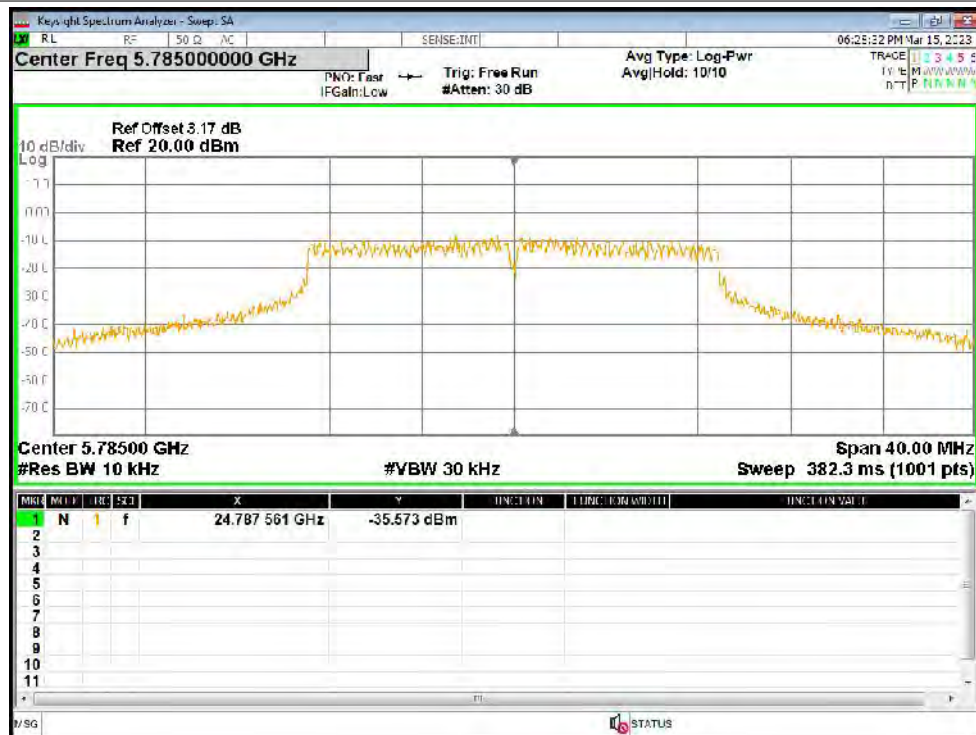


Band Edge NVNT ac40 5795MHz High Ant2

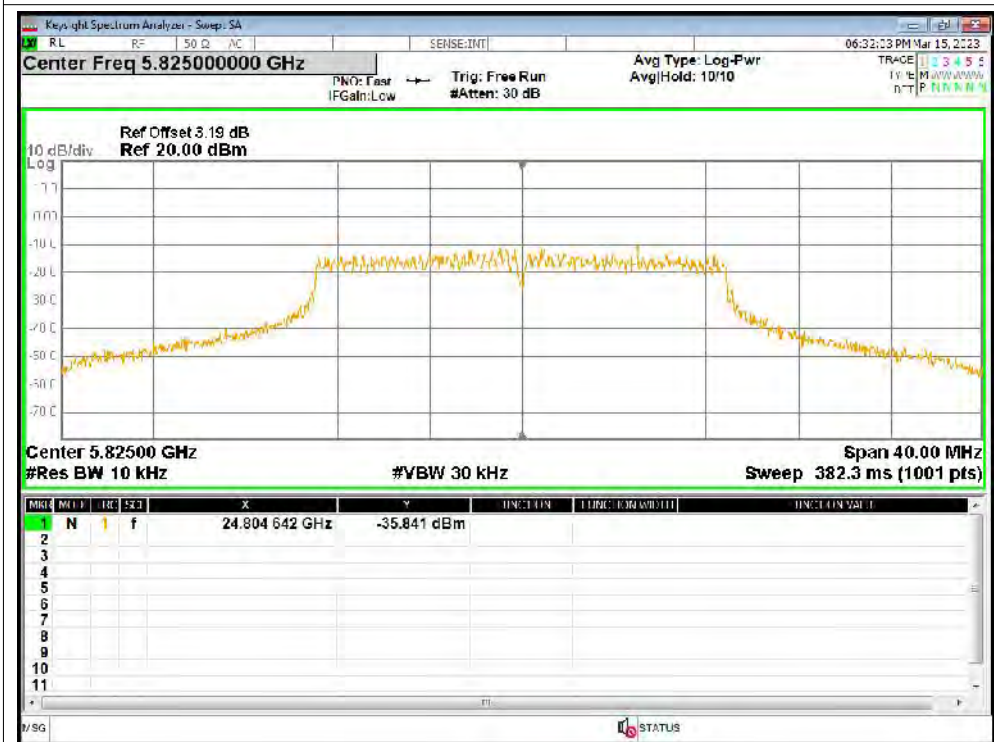


A.7 Frequency Stability

Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5745	Ant1	5745	0	0	Within 5725-5850MHz	Pass
NVNT	a	5785	Ant1	5785	0	0	Within 5725-5850MHz	Pass
NVNT	a	5825	Ant1	5824.98	-20000	-3.43	Within 5725-5850MHz	Pass
NVNT	a	5745	Ant2	5745	0	0	Within 5725-5850MHz	Pass
NVNT	a	5785	Ant2	5785	0	0	Within 5725-5850MHz	Pass
NVNT	a	5825	Ant2	5825	0	0	Within 5725-5850MHz	Pass
NVNT	n20	5745	Ant1	5745	0	0	Within 5725-5850MHz	Pass
NVNT	n20	5785	Ant1	5785	0	0	Within 5725-5850MHz	Pass
NVNT	n20	5825	Ant1	5824.98	-20000	-3.43	Within 5725-5850MHz	Pass
NVNT	n20	5745	Ant2	5744.98	-20000	-3.48	Within 5725-5850MHz	Pass
NVNT	n20	5785	Ant2	5785	0	0	Within 5725-5850MHz	Pass
NVNT	n20	5825	Ant2	5824.98	-20000	-3.43	Within 5725-5850MHz	Pass
NVNT	n40	5755	Ant1	5755	0	0	Within 5725-5850MHz	Pass
NVNT	n40	5795	Ant1	5795	0	0	Within 5725-5850MHz	Pass
NVNT	n40	5755	Ant2	5755	0	0	Within 5725-5850MHz	Pass
NVNT	n40	5795	Ant2	5795	0	0	Within 5725-5850MHz	Pass
NVNT	ac20	5745	Ant1	5744.96	-40000	-6.96	Within 5725-5850MHz	Pass
NVNT	ac20	5785	Ant1	5784.98	-20000	-3.46	Within 5725-5850MHz	Pass
NVNT	ac20	5825	Ant1	5824.96	-40000	-6.87	Within 5725-5850MHz	Pass
NVNT	ac20	5745	Ant2	5744.96	-40000	-6.96	Within 5725-5850MHz	Pass
NVNT	ac20	5785	Ant2	5784.96	-40000	-6.91	Within 5725-5850MHz	Pass
NVNT	ac20	5825	Ant2	5824.96	-40000	-6.87	Within 5725-5850MHz	Pass
NVNT	ac40	5755	Ant1	5754.96	-40000	-6.95	Within 5725-5850MHz	Pass
NVNT	ac40	5795	Ant1	5795.08	80000	13.81	Within 5725-5850MHz	Pass
NVNT	ac40	5755	Ant2	5754.96	-40000	-6.95	Within 5725-5850MHz	Pass
NVNT	ac40	5795	Ant2	5795.08	80000	13.81	Within 5725-5850MHz	Pass
NVNT	ac80	5775	Ant1	5774.92	-80000	-13.85	Within 5725-5850MHz	Pass
NVNT	ac80	5775	Ant2	5775	0	0	Within 5725-5850MHz	Pass



Freq. Stability NVNT a 5825MHz Ant1



Freq. Stability NVNT a 5745MHz Ant2



Freq. Stability NVNT a 5785MHz Ant2



Freq. Stability NVNT a 5825MHz Ant2



Freq. Stability NVNT n20 5745MHz Ant1



Freq. Stability NVNT n20 5785MHz Ant1



Freq. Stability NVNT n20 5825MHz Ant1



Freq. Stability NVNT n20 5745MHz Ant2



Freq. Stability NVNT n20 5785MHz Ant2



Freq. Stability NVNT n20 5825MHz Ant2



Freq. Stability NVNT n40 5755MHz Ant1



Freq. Stability NVNT n40 5795MHz Ant1



Freq. Stability NVNT n40 5755MHz Ant2



Freq. Stability NVNT n40 5795MHz Ant2





Freq. Stability NVNT ac20 5785MHz Ant1



[illegible]



Keysight Spectrum Analyzer - Sweep: SA

Center Freq 5.82500000 GHz

Ref Offset 3.11 dB
Ref 20.00 dBm

Mkr3 5.825 00 GHz
-21.533 dBm

Center 5.82500 GHz
#Res BW 10 kHz
#VBW 30 kHz
Span 40.00 MHz
Sweep 382.3 ms (1001 pts)

Mkrs	Marker	Frequency	Amplitude
1	N	5.825 GHz	-21.533 dBm

Freq. Stability NVNT ac40 5755MHz Ant1



Freq. Stability NVNT ac40 5795MHz Ant1





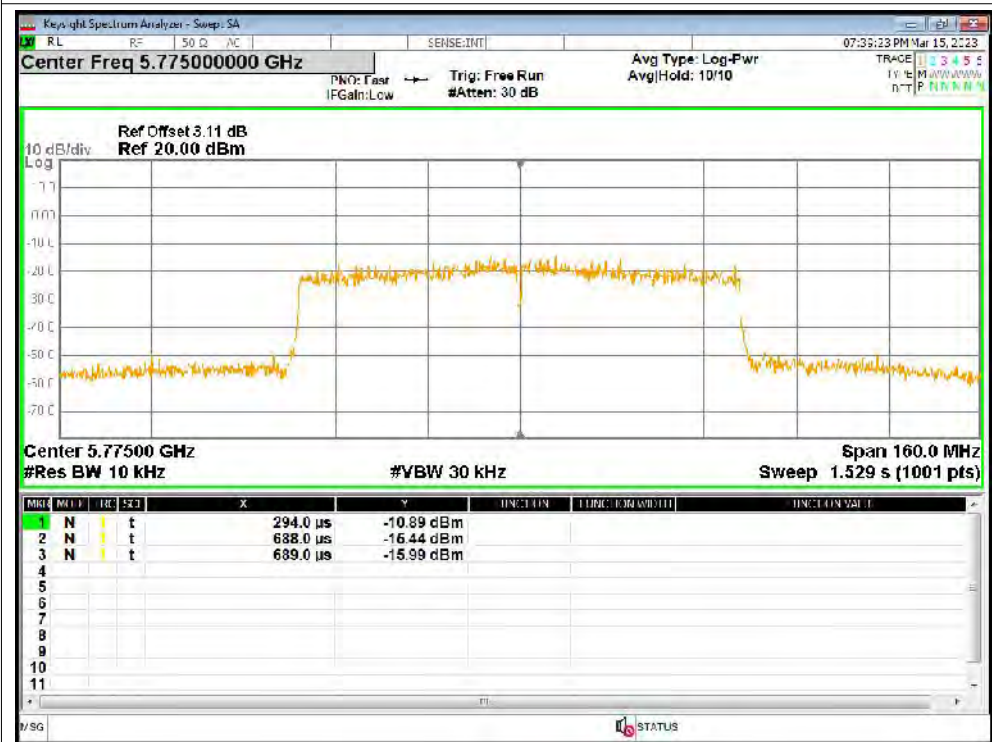
Freq. Stability NVNT ac40 5795MHz Ant2



Freq. Stability NVNT ac80 5775MHz Ant1



Freq. Stability NVNT ac80 5775MHz Ant2



A.8 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-35.88	-27	Pass
NVNT	a	5785	Ant1	-35.57	-27	Pass
NVNT	a	5825	Ant1	-35.84	-27	Pass
NVNT	a	5745	Ant2	-35.33	-27	Pass
NVNT	a	5785	Ant2	-35.2	-27	Pass
NVNT	a	5825	Ant2	-34.97	-27	Pass
NVNT	n20	5745	Ant1	-35.76	-27	Pass
NVNT	n20	5785	Ant1	-35.73	-27	Pass
NVNT	n20	5825	Ant1	-35.24	-27	Pass
NVNT	n20	5745	Ant2	-35.38	-27	Pass
NVNT	n20	5785	Ant2	-34.6	-27	Pass
NVNT	n20	5825	Ant2	-35.54	-27	Pass
NVNT	n40	5755	Ant1	-35.81	-27	Pass
NVNT	n40	5795	Ant1	-35.15	-27	Pass
NVNT	n40	5755	Ant2	-35.71	-27	Pass
NVNT	n40	5795	Ant2	-35.75	-27	Pass
NVNT	ac20	5745	Ant1	-35.35	-27	Pass
NVNT	ac20	5785	Ant1	-35.28	-27	Pass
NVNT	ac20	5825	Ant1	-35.37	-27	Pass
NVNT	ac20	5745	Ant2	-35.59	-27	Pass
NVNT	ac20	5785	Ant2	-35.52	-27	Pass
NVNT	ac20	5825	Ant2	-35.35	-27	Pass
NVNT	ac40	5755	Ant1	-35.02	-27	Pass
NVNT	ac40	5795	Ant1	-34.89	-27	Pass
NVNT	ac40	5755	Ant2	-35.59	-27	Pass
NVNT	ac40	5795	Ant2	-35.89	-27	Pass
NVNT	ac80	5775	Ant1	-34.48	-27	Pass
NVNT	ac80	5775	Ant2	-35.31	-27	Pass

Test Graphs

Tx. Spurious NVNT a 5745MHz Ant1 Emission



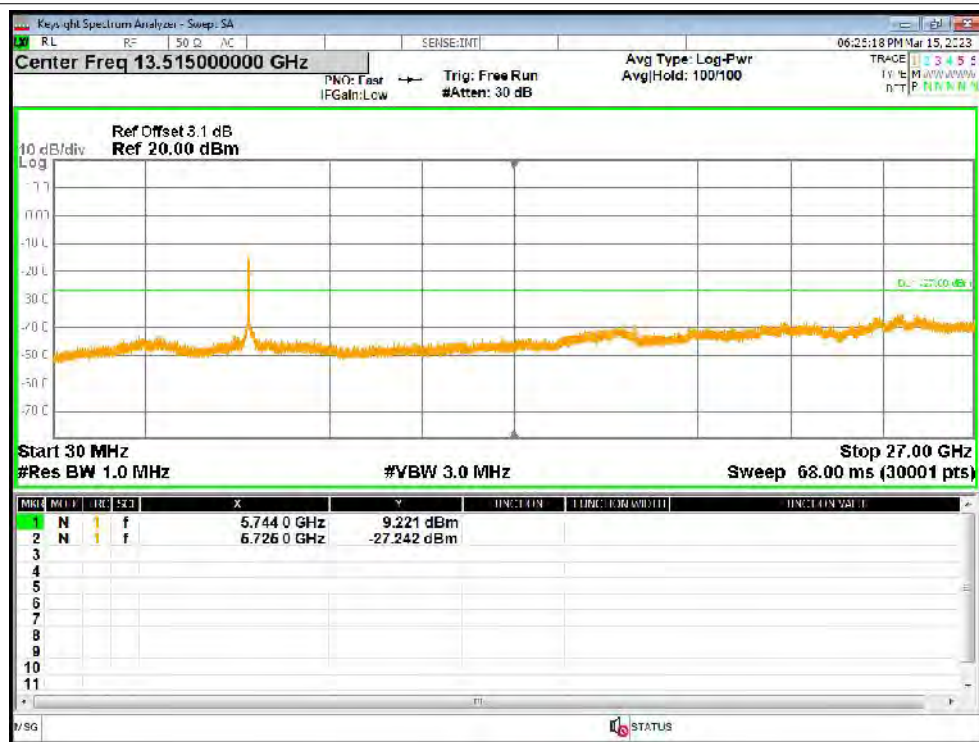
Tx. Spurious NVNT a 5785MHz Ant1 Emission



Tx. Spurious NVNT a 5825MHz Ant1 Emission



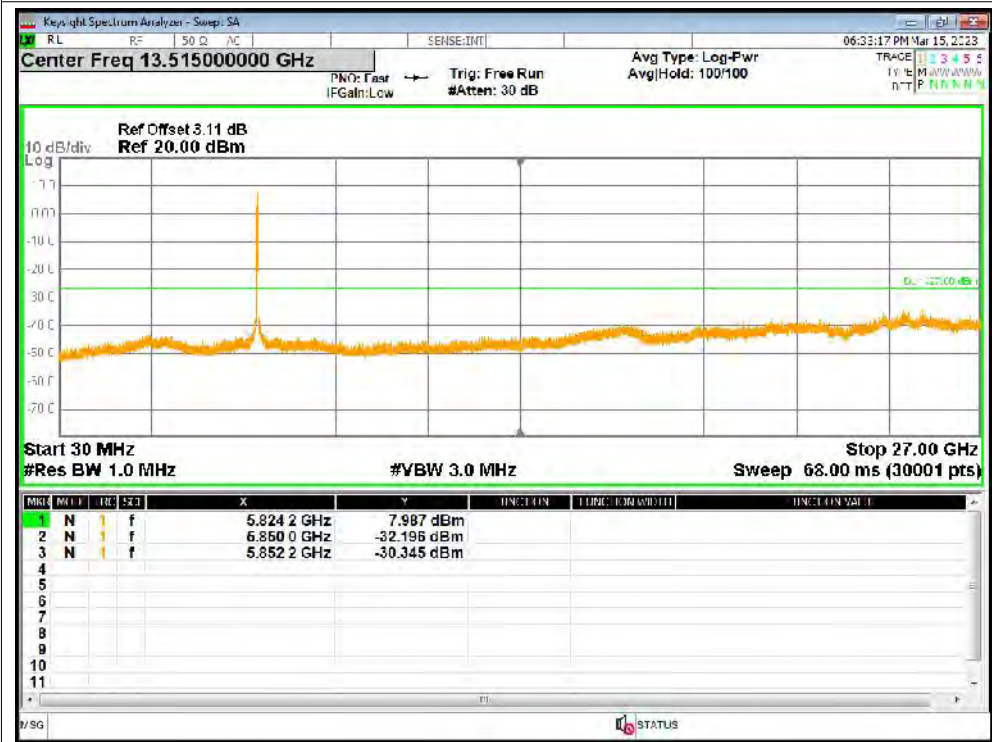
Tx. Spurious NVNT a 5745MHz Ant2 Emission



Tx. Spurious NVNT a 5785MHz Ant2 Emission



Tx. Spurious NVNT a 5825MHz Ant2 Emission



Tx. Spurious NVNT n20 5825MHz Ant1 Emission



Tx. Spurious NVNT n20 5745MHz Ant2 Emission

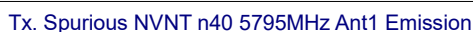


Tx. Spurious NVNT n20 5785MHz Ant2 Emission



Tx. Spurious NVNT n20 5825MHz Ant2 Emission

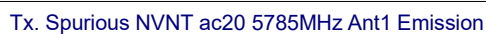






Tx. Spurious NVNT n40 5795MHz Ant2 Emission

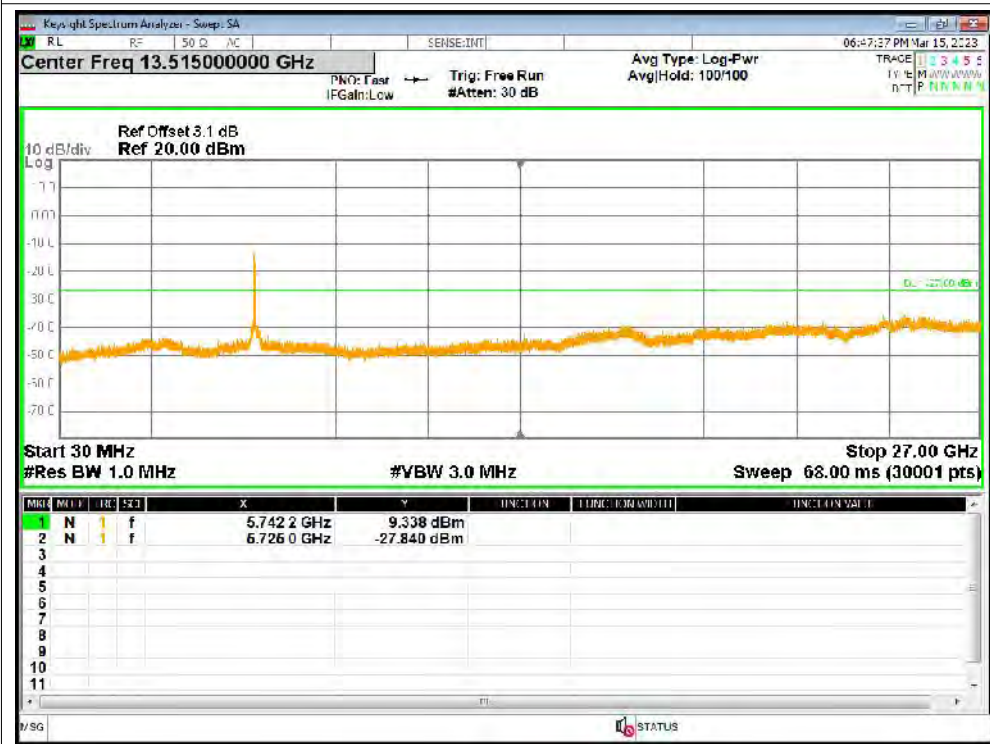


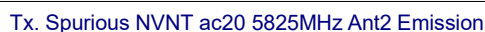


Tx. Spurious NVNT ac20 5825MHz Ant1 Emission

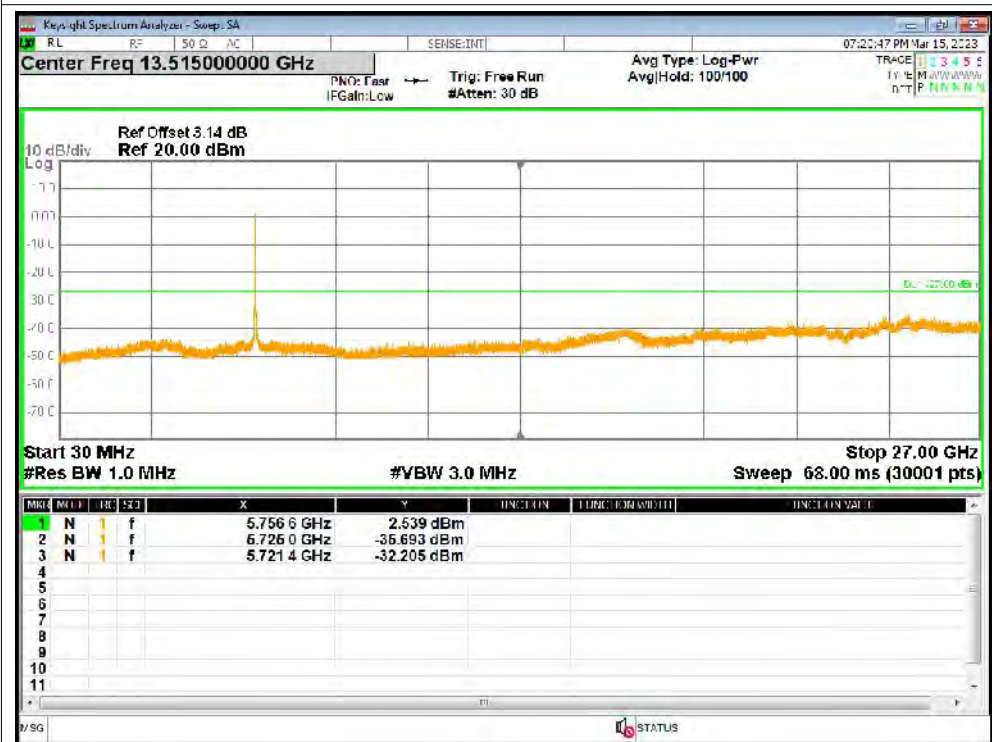


Tx. Spurious NVNT ac20 5745MHz Ant2 Emission

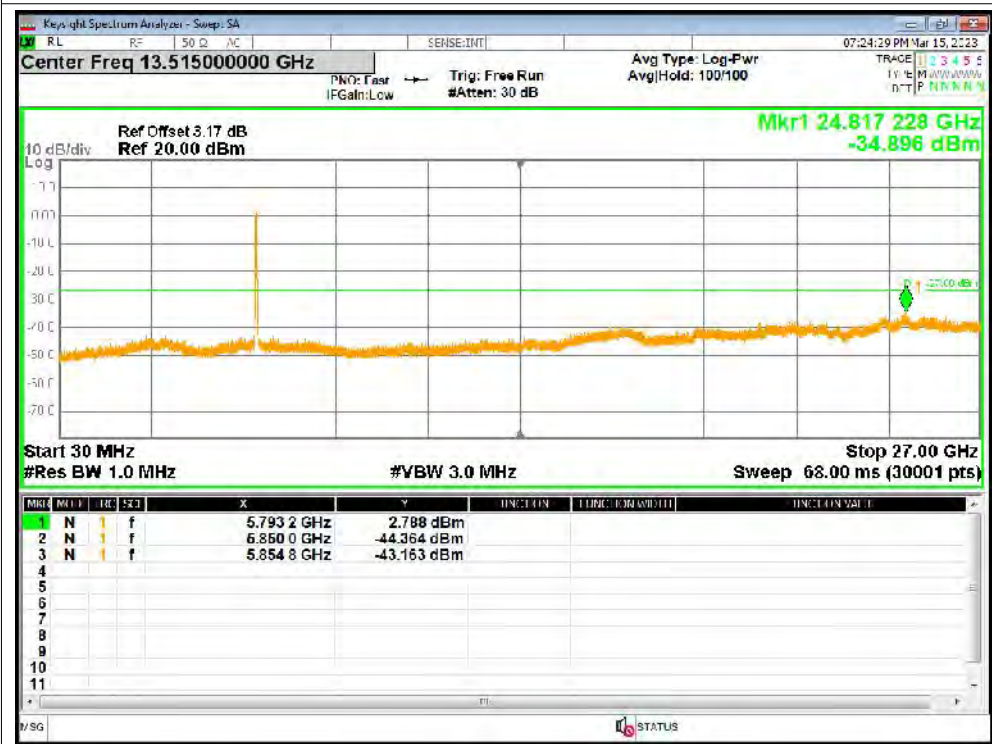




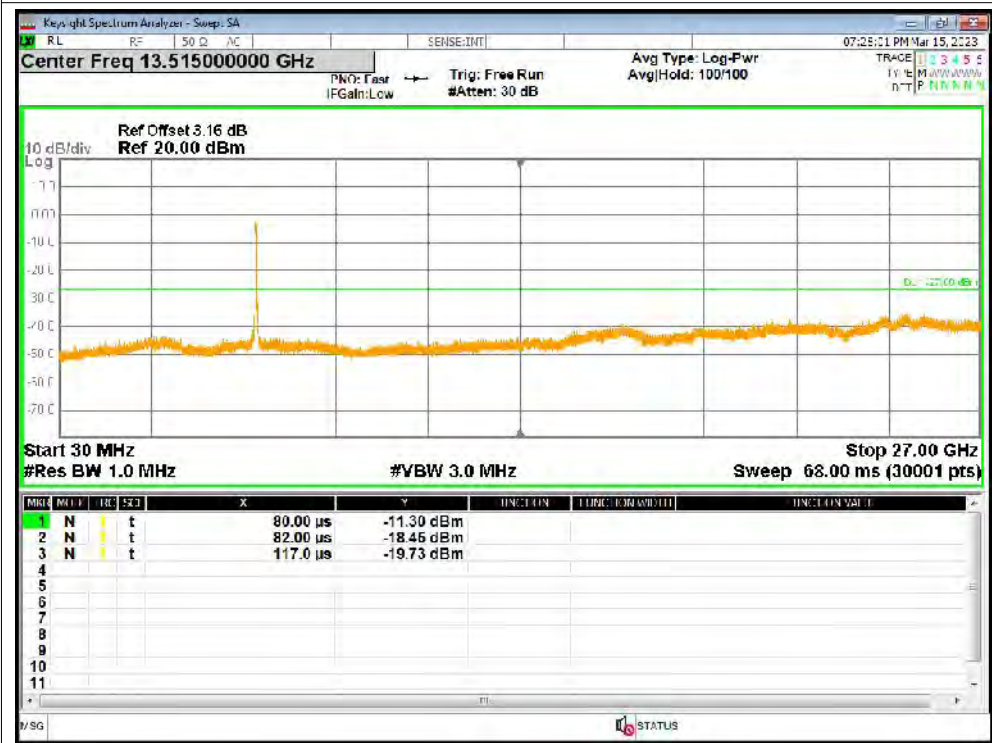
Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



Tx. Spurious NVNT ac80 5775MHz Ant1 Emission



Tx. Spurious NVNT ac80 5775MHz Ant2 Emission

